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- THORNE, A. P. Oscillator Strengths of Transitions in Titanium II in the Visible and Ultraviolet Regions: Erratum (ApJS, 132, 403 [2001]). *J. C. Pickering, A. P. Thorne, & R. Perez.* 138, 247 (2002) (Orig. paper in 132, 403 (2001))
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